

INSTALLATION CONSERVATION MANAGEMENT



Toolbox for Installation Personnel

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DEPARTMENT OF THE ARMY
U.S. ARMY ENVIRONMENTAL CENTER
5179 HOADLEY ROAD
ABERDEEN PROVING GROUND, MARYLAND 21010-5401

REPLY TO
ATTENTION OF

January 9, 2003

US Army Environmental Center

To The US Army Conservation Staff

Dear Conservation Staff:

The purpose of this document is intended to provide awareness of the services available thru the US Army Environmental Center Conservation Division. The intended use is for conservation staff members at the installation level to assist with their conservation management.

The document will initially be distributed by mail as a paper copy but an electronic copy can be obtained by contacting the point of contact. This is a "living" document that will be posted to the US Army Environmental Center's Web site at the following web address: <http://aec.army.mil/usaec/conservation/index.html> and will be periodically updated as services change.

The point of contact for this document is CPT Jeffrey Winston at jeffrey.winston@aec.apqea.army.mil or (410) 436-7080.

Paul R. Thies
Acting Chief
Conservation Division

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Directions for Use

This document is intended to assist the Army conservation community at installations to better understand the services available to them from the US Army Environmental Center (USAEC) Conservation Division. This is a “living” document that will be posted to the web (date to be determined) and periodically updated as services change, are added, or are deleted.

The document has five broad categories: Foundation (applies to multiple branches or sections within the Conservation Division), Natural Resources, Cultural Resources, Pest Management, and NEPA. The listed categories are further organized into the following services: ***Guidelines***, a list of policy guidance to assist installations with programs, reporting, etc.; ***Personnel Support***, a list of services that provide manpower through established contracting mechanisms; ***Training***, a list of courses provided to educate installation staff members; ***Funding Assistance***, a list of mechanisms to request funding for projects, ***Technical Support***, a list of tasks that the branch or section can provide subject matter expertise; and ***Reporting*** assistance. Each individual topic has a brief narrative description to explain the service that is provided and it may provide a point of contact phone number, e-mail address, and/or website to gain more information. The columns on the right of the description indicate the level of assistance the Conservation Division can provide and if installation funding is a requirement. Some services are provided as a free service to the installation. The following list provides codes for providing the level of support the Conservation Division provides and, the status of the Interservice Environmental Educational Review Board (ISEERB) training course status:

- T – Telephonic Support
- P – Product or Document Available
- F – USAEC On-Site Field Assistance
- X – Service is Funded by the Installation
- # – ISEERB Approved Course
- * – ISEERB Conservation Committee endorsed

The document contains some redundant topics that are intended to assist the user with locating the service the Conservation Division provides. For example the topic Forest Pest Suppression Funding (Insect & Diseases Only) is listed in the Natural Resources and Pest Management sections under Funding Assistance and Technical Support.

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Foundation

Guidelines

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
EQR Conservation Workbook (4 th Quarter Reporting)	This document is a tool for Army Installations, Major Commands, and IMA Directors to facilitate the accurate collection and reporting of Conservation data for the annual 4 th Quarter submission EQR. For more information or a copy call (410) 436-3206 (DSN 584).	T/P	
Emergency Consultation	There is a wealth of talent in the Conservation Division, both in-house and as liaisons from other Federal Agencies, that is likely to be able to assist with questions or issues from the field on a wide variety of subjects. For more information call (410) 436-3206 (DSN 584).	T	
Environmental Awards	See the USAEC website to determine if any awards apply to your installations. Installations are encouraged to seek recognition where appropriate. http://aec.army.mil/usaec/support/awards00.html	T	
Environmental Program Requirements (EPR) Project Catalog	This Environmental Program Requirement (EPR) Project Catalog has been developed to assist environmental managers at Army installations in evaluating their environmental requirements, developing sound life-cycle beneficial projects, and preparing EPR project exhibits with appropriate classifications, realistic cost estimates, and adequate project descriptions. For a copy of the EPR Project Catalog on CD, contact the USAEC at 1-800-872-3845.	T/P	
Installation Environmental Program Management Guide	The former "Commanders Guide to Installation Management", contains basic environmental information for garrison commanders, staff officers, and both environmental and non-environmental personnel. For more information see http://aec.army.mil/usaec/publications/iepmguide02.pdf	P	
Policy and Guidance for Identifying US Army Environmental Program Requirements	This document provides support for planning, programming, budgeting, and execution of the Army Environmental Program. We can provide assistance to installations, especially in the program areas identified in this document. For more information or a copy call (410) 436-3206 (DSN 584).	T/P	
Screening Model for Natural & Cultural Resources Impacts of UXO Cleanup	A model available for IMA and installations staffs to identify conflicts between environmental remediation and environmental degradation of the ecosystem. The model prioritizes ranges for clearance, cleanup, and remediation based on natural and cultural resources. The model is compatible with other risk assessment methodologies. For more information call (410) 436-3206 (DSN 584).	T/F/P	

Personnel Support

Topic	Description	Free Service Telephonic Or Field	Installation Funded Study
Contracts for Manpower Assistance	Contract tools are pre-established at the USAEC contracting office that installations can access for an augmented workforce. The biggest value for installations is the speed and ease because the contracting mechanism is already established. For more information call (410) 436-3206 (DSN 584).	T	X

Cooperative Agreement Program	This program provides installations another alternative to contracts. A vendor cooperates with the Army installation in developing the product, and does not charge a profit. A list of available vendors can be provided by calling B.C. Baker at (301) 619-2035 or Michael Younkins at (301) 619-2503 or visiting the following website http://www.usamraa.army.mil/ .	T	
ORISE	A program that provides installations a source new college graduates, and students to be assigned as interns on installations. These interns can participate in any capacity requiring a background in math, science, engineering, or technology related. Full and part-time schedules for up to a maximum of three years participation. For information call the ORISE Program Coordinator at (410) 436-7257 (DSN 584) or visit http://www.orau.gov/orise.htm .	T	X
Student Conservation Association (SCA)	SCA is a nonprofit organization that has been recruiting and fielding volunteers to assist land and resource managers. This program is on a cost-sharing basis that can provide personnel to conduct such tasks as “pick and shovel” work and tree planting. Installations reimburse SCA for a share of expenses incurred in recruiting, fielding, and supporting each volunteer. For more information call Wally Elton or Marsha Towns at (603) 543-1700 or visit http://www.sca-inc.org/ .	T	X

Training

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
Army 101	This course introduces students to the active duty Army, explains the need for realistic field training, demonstrates the Army’s need and use of land, and introduces the student to staffing and solving environmental issues in the Army’s framework. The course is intended for new installation environmental staff. For more information call (410) 436-3206 (DSN 584).		X
Basic Environmental Law #	This course promotes stewardship for our natural resources and ensures compliance with all applicable laws, as well as instilling an environmental ethic. Daily case studies are presented and analyzed that offer real-life examples. Senior DoD environmental attorneys serve during the three-day course as guest instructors. For more information visit the following website https://www.cecos.navy.mil/schedule.asp scroll down to find course title.		X
Basic Environmental Staff Course	This is an entry-level course for environmental professionals. The curriculum includes the basic concepts of ecology, environmental relationships, and pollution; the Army environmental compliance program; environmental laws, regulations, and policies; Army installation environmental management considerations; required reports and administrative procedures; and the preparation and evaluation of environmental documents. For more information call (804) 765-4624 (DSN 539), mailto:besc@lee.army.mil , or visit http://www.almc.army.mil/EMD/page5.html .		X
Environmental Negotiation Workshop	This stimulating three-day workshop provides instruction on the negotiating and communication skills necessary to establish productive relationships and achieve beneficial agreements with regulatory and public stakeholders. For more information call the CECOS Course Director Dr. David C. Bell, at CECOS DSN 551-6528, (805) 982-6528 or e-mail mailto:belldc@cecos.navy.mil .		X
Executive Environmental Overview Course	The curriculum includes a brief discussion of the concepts of ecology and pollution; the Army environmental program; legal responsibilities and penalties; requirements for pollution prevention. The onsite course can be		X

	tailored to cover specific installation environmental problems. For more information call (804) 765-4624 (DSN 539), send e-mail to eeo@lee.army.mil or visit http://www.almc.army.mil/EMD/page5.html .		
Internet Use for Conservation Professionals *	This 1-day resident class covers basic principles of internet use, its structure, development, capabilities, and features. The course focuses on internet information search techniques using various web search engines. The target audience is conservation professionals. For more information visit https://otis.fws.gov/start.cfm , click on "guest", and type the course name in the search box or call (304) 876-7220.		X
Intro to Natural & Cultural Resources #	This video based course provides an overview of DoD's management of Cultural and Natural Resources and a section on the budgeting process. This course is available by calling Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Natural & Cultural Resource Awareness #	This 14-minute video is intended for both technical and non-technical audiences, which describes the DoD's responsibilities under various natural and cultural resources laws and regulations. For a copy call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)	T/P	
UXO Basic Training Course	This is a two-day, entry-level course that addresses key environmental issues associated with ordnance and explosives cleanup, current technology, and interactions with stakeholders. For information visit http://www.itrcweb.org/ .		X

Funding Assistance

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
DoD Legacy Program	The DoD Legacy program provides funds for stewardship projects not eligible for funding under the management fund program. Information on the Legacy program is available through DENIX (password required) at https://www.denix.osd.mil/denix/Public/ESPrograms/Conservation/Legacy/dodlegacy.html or call (410) 436-3206 (DSN 584).	T	
EPR Funding Preparation Assistance	USAEC provides QA and assistance with conducting Environmental Program Reports (EPR). For more information call (410) 436-3206 (DSN 584).	T	
Pilot Projects	Pilot projects are conducted on Army installations to demonstrate proof of concept and develop lessons learned. Installations gain the benefit of the free service. If you are interested in participating call (410) 436-3206 (DSN 584).	T/F	
The National Environmental Education & Training Foundation (NEETF)	Funding is available for projects that help educate the public on conservation practices. Grants are available for up to \$6,000 a year. The project must be supported by volunteers and conducted on the last weekend of September. For more information, call (800) 865-8337 or go to http://www.npld.com/ .	T	

Technical Support

Topic	Description	Free Service Telephonic or Field	Installation Funded
BLM Library	This service is provided by USAEC and is available to installations, MACOMs, IMA Regional office personnel and can provide current periodical reference searches, textbook interlibrary loan, and access to databases, monthly alerts, and journals. The BLM library phone number is (303) 236-6648 for general searches or (303) 236-6650 for legal searches or visit http://aec.army.mil/usaec/conservation/library00.html .	T	

Reporting

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
Environmental Quality Report (EQR)	USAEC provides QA and assistance with conducting Environmental Quality Reports (EQR). For more information call (410) 436-3206 (DSN 584).	T	
Installation Readiness Report (ISR)	USAEC can provide technical assistance with understanding the standards and conservation policy issues or questions when conducting the report. For more information call the help desk at (800) 872-3845 or call (410) 436-3206 (DSN 584).	T	

Natural Resources

Guidelines

Topic	Description	Free Service Telephonic or Field	Installation Funded
Ag/Grazing and Forestry Reimbursable Program Policy Memorandum	This program provides guidance on how to conduct agriculture and grazing leases and the sale of timber on installations. These programs can bring money to the installation to fund Conservation programs. For more information and a copy of the memorandum call (410) 436-3206 (DSN 584).	T/P	
AR 200-3, Natural Resources — Land, Forest and Wildlife Management	The Army Regulation that explains Army policy for managing natural resources to meet legal compliance requirements to support the military mission. For an electronic copy http://aec.army.mil/usaec/conservation/	T/P	
AR 350-4 Integrated Training Area Management	This AR supports the installation training area management program to conserve Army lands for military readiness training. For more information call at (410) 436-3206 (DSN 584).	T/P	
Chesapeake Bay Agreements	USAEC, as the lead Army agency in the Chesapeake Bay Initiative, provides Q&A to Army installations involved in the program. See http://www.hqda.army.mil/acsimweb/env/cbi/publications.html .	T/F/P	
Community Watershed Approach Handbook	In response to the EPA Clean Water Action Plan, USAEC is developing a handbook that provides watershed management guidelines primarily for Army installations in the Chesapeake Watershed, however the concepts and information are transferable to installations nationwide. For more information contact USAEC at (410) 436-3206 (DSN 584).	T/P	
Emergency Section 7 Consultation Under The ESA Assistance	ODEP has released a policy and guidance memorandum to assist installations. For more information call (410) 436-3206 (DSN 584).	T/P	
Guidance on Hunting and Fishing	The Army Policy Guidance for Fish and Wildlife Conservation Fund, this provides guidance to installations on their hunting, fishing, or trapping activities. For more information and a copy of the memorandum call (410) 436-3206 (DSN 584).	T/P	
INRMP Guidance	Provide technical guidance for the development of the Integrated Natural Resource Management Plan (INRMP). For more information see http://aec.army.mil/usaec/conservation/natural00.html or call (410) 436-3206 (DSN 584).	T/P	
Installations Environmental Program Management Guide	This document, formerly known as the "Commander's Guide to Environmental Management," is intended as a "primer" on the environment, for Garrison Commanders and their staff. It can be found at http://aec.army.mil/usaec/publications/iepmguide02.pdf	T/P	
MBTA Policy Memo	ODEP has released a policy and guidance memorandum to assist installations with this statute. For a copy of the memorandum call (410) 436-3206 (DSN 584).	T/P	
Private Land Initiative (PLI)	USAEC manages a demonstration project at Ft. Bragg for bioregional planning to provide military mission support. This Army Conservation Partnership consists of the North Carolina Sandhills Conservation Partnership, a Cooperative Agreement (CA) between the Army and The Nature Conservancy (TNC) and a Bioregional Conservation Strategy. The CA enables the Army and TNC to share the cost of purchase of land or	T/F/P	

	<p>interest in land by TNC. Purchases are made from willing sellers only and made for the dual purposes of supporting the military mission and meeting mutual conservation objectives. Lessons learned and technical assistance are provided to Army installations upon request. For more information call (410) 436-3206 (DSN 584).</p> <ul style="list-style-type: none"> • USAEC personnel will provide a briefing on-site to installation staff regarding lessons learned at Ft. Bragg (PLI) and/or assess an installation's potential to benefit from an Army Conservation Partnership modeled after the Ft. Bragg PLI. USAEC can also assist in initiating contact with potential partners and help in drafting various documents such as cooperative agreements. USAEC can provide current information availability of non-Army funding resources. • USAEC has developed a "starter kit" to assist installations in initiating an Army Conservation Partnership. It includes copies of cooperative agreements, options, leases, technical papers etc. It is available to installations upon request. 		
Planning Level Survey (PLS)	ODEP and USAEC have released a policy and guidance memorandum to assist installations by providing generic scopes of work and technical support to installations. Examples are listed and can be found in the U.S. Army EPR Project Catalog 2002. An electronic version can be ordered by calling (800) 872-3845. For more information call (410) 436-3206 (DSN 584).	T	X
Fauna	These surveys, at a minimum, describe and map the distribution and extent of sensitive species (for example, locally rare and keystone). Guidelines have not been developed. For more information call (410) 436-3206 (DSN 584).	T	X
Flora	These surveys identify vascular plants and produce a list of plant species with verified nomenclature, classification and annotation compatible with the U.S. Department of Agriculture, Natural Resources Conservation Service's Plant list of Accepted Nomenclature, Taxonomy, and Symbols (PLANTS). Guidelines have not been developed. For more information call (410) 436-3206 (DSN 584).	T	X
Soils	These surveys classify, categorize, describe, and map soils by map unit, and meet current National Cooperative Soil Survey standards and procedures. To aid in the development of scope of work and memorandum of understanding to obtain current soils planning level survey for INRMP, ITAM, and other needs. The cost per acre can range from \$1 to \$5. Call (410) 436-3206(DSN 584) and ask for the NRCS liaison or reference the U.S. Army EPR Project Catalog 2002 (see the Foundation section). For more information call (410) 436-3206 (DSN 584).	T/P	X
Surface Waters	These surveys describe and map the distribution and extent of surface waters, consistent with the USGS standard. Guidelines have not been developed. For more information call (410) 436-3206 (DSN 584).	T	X
Threatened & Endangered Species	These surveys, at a minimum, produce a map that shows the kinds and known distribution of Federally endangered, threatened, proposed, and candidate species occurring on the installation. For more information call (410) 436-3206 (DSN 584).	T	X

Topography	These surveys identify and map elevation, elevation contours, and associated data consistent with USGS standards and topographic map products. Guidelines have not been developed. For more information call (410) 436-3206 (DSN 584).	T	X
Vegetative Communities	Survey plant communities to manage long-term mission support, survey the location of flora, and identify Threatened & Endangered species. Guidelines have not been developed. For more information call (410) 436-3206 (DSN 584).	T	X
Wetlands	Wetland inventories are necessary components of the INRMPs, and therefore a requirement. Preparation or update of wetlands planning level survey must be programmed in the EPR. Call (410) 436-3206 and ask for the USAEC/USFWS Liaison or reference the U.S. Army EPR Project Catalog 2002 (see the Foundation section). For more information call (410) 436-3206 (DSN 584).	T/P	X
Urban Forestry Manual	This manual is designed to focus on the existing and future tree resources in the developed areas on installations. Trees situated in urbanized areas require management techniques that differ from those trees situated in other, less developed areas. For more information call (410) 436-3206 (DSN 584) or obtain an electronic copy of the manual at http://aec.army.mil/usaec/conservation/natural01.html .	T/P	X
Wildland Fire Policy Guidance	Provides policy guidance on wildland firefighting training qualifications and standards; organizational guidelines; roles of civilian and military personnel in wildland fire management; training and mobilization of wildland fire management personnel and equipment; and memoranda of understanding with the Departments of Agriculture and the Interior. For more information call (410) 436-3206 (DSN 584) and ask for the USAEC Forester or USAEC/USFS Liaison or visit the following website https://www.denix.osd.mil/denix/Public/Library/OSH-Fire/fire.html .	T/P	X

Personnel Support

Topic	Description	Free Service Telephonic or Field	Installation Funded
Cooperative Agreement Programs	This program provides installations another alternative to contracts. A vendor cooperates with the Army installation in developing the product, and does not charge a profit. A list of available vendors can be provided, and vendors can be added. For more information visit the following website http://www.usamraa.army.mil/ , or call B.C. Baker at (301) 619-2035 or Michael Younkins at (301) 619-2503.	T/F	X
ORISE	A program that provides installations a source new college graduates, and students to work as interns on installations. These participants can work in any capacity requiring a background in the sciences and engineering. Full and part-time. For information call the ORISE Program Coordinator at (410) 436-7257 (DSN 584) or visit http://www.orau.gov/orise.htm	T/F	X
Student Cooperative Agreements (SCA)	SCA is a nonprofit organization that has been recruiting and fielding volunteers to assist resource managers. This program is on a cost-sharing basis that provides personnel to conduct such tasks as “pick and shovel” work and tree planting. Installations reimburse SCA for a share of expenses incurred in recruiting, fielding and supporting each volunteer. For more information call Wally Elton or Marsha Towns at (603) 543-1700 or visit http://www.sca-inc.org/ .	T/F	X

Federal Liaisons	The USAEC has a number of liaisons from other federal agencies that provide telephonic and possible field support to installations but more importantly they can liaison between the Army installation and the local federal agency office to better serve the installation. The represented agencies are Bureau of Land Management (BLM), Cooperative State Research, Education, and Extension Service (CSREES), Environmental Protection Agency (EPA), Natural Resource Conservation Service (NRCS), US Fish and Wildlife Service (USFWS), US Forest Service (USFS), and the US Geological Survey (USGS). For more services see the Federal Agency Liaison Support section under Technical Support or call (410) 436-3206 (DSN 584).	T/F	
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Training

Topic	Description	Free Service Telephonic or Field	Installation Funded
Advanced Interagency Consultation for Endangered Species *	Participants will discuss aspects of interagency consultation under Section 7 of the ESA with a focus on how to prepare logical and well reasoned biological opinions and incidental take statements. Lecture and discussions emphasize consistency and adherence to statute, regulation, policy, and case law regarding the Services' implementation of the act. For more information visit https://otis.fws.gov/start.cfm , click "guest", then type the course name in the search box. For more information call (410) 436-3206 (DSN 584).	T	X
An Ecosystem Approach to Conservation *	This course presents an integrated ecosystem approach to conservation. Guiding principles of conservation biology, particularly landscape ecology and conservation planning, are discussed and developed into an implementation framework. The course integrates ecological theory and application, theory and practice of public involvement, and adaptive management. Participants learn strategies for implementing ecological principles through comprehensive class exercises using a hypothetical but realistic ecosystem conservation scenario. For more information visit https://otis.fws.gov/start.cfm , click on "guest", and type the course name in the search box. For more information call (410) 436-3206 (DSN 584).	T	X
Basic Environmental Staff Course	This is an entry-level course for environmental professionals. The curriculum includes the basic concepts of ecology, environmental relationships, and pollution; the Army environmental compliance program; environmental laws, regulations, and policies; Army installation environmental management considerations; required reports and administrative procedures; and the preparation and evaluation of environmental documents. For more information call (804) 765-4624 (DSN 539), mailto:besc@lee.army.mil , or visit http://www.almc.army.mil/EMD/page5.html .		X
Basic Natural Resources Manager #	This web-based course is intended for DoD and Coast Guard Natural Resource laws and regulations. The target audience is Natural and Resource managers. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Conserving Biodiversity #	This web-based course discusses Biodiversity as a management principal to be applied on military lands. The target audience is installation command staff, environmental staff, civil works, and collateral duty personnel. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Conservation Biology Introduction #	This 4.5-day course offers an overview including discussion of fundamental biological and ecological principles. Instruction covers biological diversity, species concepts, uncertainty and variation in natural systems. Other topics		

	include population viability analysis, metapopulations, island biogeography theory, habitat fragmentation effects and reserve design principles. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Ecological Approaches to Land Management #	This 5-day resident course presents an integrated ecosystem approach to conservation (integrating ecological theory and application, practice of public involvement and adaptive management). The target audience is biologists, land managers, planners, and policy makers. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Ecosystem Approach to Conservation #	This 5-day resident class presents an integrated ecosystem approach to conservation (integrating ecological theory and application, practice of public involvement and adaptive management). The target audience is biologists, land managers, planners, and policy makers. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Environmental Site Assessment #	This 5-day resident course introduces students to concepts and terminology, environmental laws, national guidelines of environmental site assessment. The target audience is hazard materials coordinators, natural resource managers, real estate specialists, and other involved in land acquisition and disposals. For more information visit http://oslearn.ntc.blm.gov/ or call (602) 906-5552.		X
Forest Fire - Wildland Fire Training*	A list of wildland fire training courses adhering to National Wildfire Coordinating Group (NWCG) standards can be found on the Interagency Wildland Fire Training site: http://www.nationalfiretraining.net or at http://www.fs.fed.us/fire/fire_new/training/ . Arrangements can be made to teach specific courses on your installation. Call the USAEC/USFS Liaison for more information at (410) 436-3206 (DSN 584).	T	X
GIS Overview for Natural Resource #	This 1.5-day resident course provides a geographic information system (GIS) as a powerful tool that can assist conservation professionals in natural resource-related projects. This course gives participants an introduction to GIS technology and terminology and teaches them how to use an existing GIS. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Interagency Consultation for Endangered Species #	This resident 5-day course provides basic information on interagency consultation under Section 7 of the ESA. Case studies and interactive exercises are conducted. The target audience is Natural Resource Managers responsible for project reviews involving impacts to listed, proposed or candidate species For more information visit http://training.fws.gov or call (304) 876-7220.		X
Invasive Species #	This web-based course defines DoD’s invasive species program by identifying hazards and impacts posed by invasive species, identify species and management measures. The target audience is installation command staff, natural resource managers, civil works, law enforcement and collateral duty personnel. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Law Enforcement for Conservation #	This web-based course covers laws and regulations and responsibilities for protection of natural and cultural resources on military lands. The target audience is command staff, law enforcement, civil works, natural and cultural resource managers, range personnel, real estate managers. For more information call (805) 982-2895 (DSN 551) or visit https://www.cecos.navy.mil/schedule.asp scroll down to find course title (No tuition).		X
Marine Mammals #	This interactive web-based and CD-ROM course covers laws and regulations that impact marine mammals, identify species, roles and responsibilities in		

	program management. This target audience is DoD and Coast Guard Natural Resource Managers and staff, Collateral-duty personnel who work with or around Marine Mammals. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Natural Resources Compliance #	This is a 4-day resident course for DoD personal from major commands, headquarters and regional offices, as well as installation level. It provides a basic overview of federal environmental laws and regulations, introduces the contact agencies to assist with interagency consultation, and describes suitable protection for threatened natural resources. For more information call (805) 982-2895 (DSN 551) or visit https://www.cec.navy.mil/schedule.asp scroll down to find course title (No tuition).		X
Natural Resource Damage Assessment & Restoration (NRDAR) *	This 4-day resident course provides the student with tools and practical examples to conduct natural resource damage assessment and restoration activities OPA, CERCLA relevant to NRDAR. The target audience is Natural Resource Trustee Agencies involved in NRDAR. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Natural Resource Management Plan #	This web-based course covers the purpose for and development of INRMP. The target audience is natural resource managers, civil works, and command staff, range managers. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Non-game Bird Survey & Monitoring *	This 4.5-day resident course introduces participants to the inventory and monitoring techniques for assessing populations of various non-game bird groups, including songbirds, colonial water birds, and raptors. These techniques can be used to help biologists establish regional monitoring programs. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Non-game Wildlife Survey Techniques *	This 4.5-day resident course covers an introduction to inventory and monitoring techniques for assessing populations of various non-game bird groups. The target audience is biologists and other natural resource professionals conducting non-game bird surveys. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Prescribed Fire Training	The National Interagency Prescribed Fire Training Center (PFTC) provides individuals an opportunity to increase their prescribed fire practitioner skills and to participate in large landscape prescribed burns. For more information on the Center and other prescribed burn training opportunities, visit http://www.fs.fed.us/fire/fire_new/training/fireuse_training.html or call the USAEC/USFS Liaison for more information (410) 436-3206 (DSN 584).	T	X
Shorebird Ecology & Management *	This 3.5-day resident course illustrates how to integrate shore bird habitat considerations into wetland management planning. The course includes shorebird ecology, identification, survey techniques, and approaches for managing impoundments. The target audience is biologists and other natural resource professionals involved in shorebird inventories or management activities. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Specific Principles & Techniques for Endangered Species *	This course helps participants apply the principles and techniques of conservation biology to the implementation of the Endangered Species Act. Lecture sessions are reinforced using computer modeling, as well as case illustrations and critiques. For more information visit https://otis.fws.gov/start.cfm , click on “guest”, and type the course name in the search box or call (304) 876-7220.		X
Stream –Bank Erosion & Protection *	This 5-day course provides participants a review river hydrology, mechanics, and geomorphology and problems caused by stream bank erosion and streambed degradation. Experienced instructors present lectures and lead		

	discussions and field exercises. The target audience is engineers, planners, land managers, and natural resource managers. For more information see the following website http://pdsc.usace.army.mil/CourseListDetails1.asp?Cntrl_Num=285		X
Stream Restoration Techniques	This course is oriented toward the field biologist and technician. It is a hands-on approach to physical stream habitat restoration techniques. Students will learn about stream channel and stream bank stabilization techniques. For more information visit the following website, click on as a guest, and type in the course name in the search box https://otis.fws.gov/start.cfm .		X
Threatened & Endangered Species Management & Consultation *	This 4-day resident course provides an overview of the laws, policies, and types of interagency cooperation required to comply with the ESA. The target audience is wildlife and fisheries biologists, botanists, and managers involved with T&E species. For more information visit http://oslearn.ntc.blm.gov/ or call (602) 906-5552.		X
Threatened & Endangered Species on Military Lands #	This web-based course discusses the requirements of the ESA, compliance and management principles. The target audience is the command staff, natural and cultural resource managers, civil works, and range personnel, law enforcement personnel. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Watershed Academy Courses	The EPA Watershed Academy Provides face-to-face and web-based training, facilitation, and training materials on general watershed management and a variety of specific watershed topics. For more information visit http://www.epa.gov/owow/watershed/wacademy/its.html . For a hard copy of the catalogue, call (800) 490-9198, citing document no EPA 841-B-01-002. For assistance, call the EPA/USAEC liaison at (410) 436-3206 (DSN 584).	T	X
Wetlands on Military Lands #	This video-based course defines wetlands, overview of laws and regulations that effect the management of wetlands on military lands. The target audience is DoD and Coast Guard natural resource managers, civil work and law enforcement personnel. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
UXO Basic Training Course	This is a two-day, entry-level course that addresses key environmental issues associated with ordnance and explosives cleanup, current technology, and interactions with stakeholders. For information visit http://www.itrcweb.org/ .		X

Funding Assistance

Topic	Description	Free Service Telephonic or Field	Installation Funded
Conservation Assistance Program (CAP)	CAP provides rapid “hands on” technical assistance and technology application for field problems associated with natural resources on DA lands. It is limited to natural resource issues where timely assistance is required but not readily programmable by the installation. Areas covered include but are not limited to T&E species; flora & fauna survey plans, erosion & dust control & GIS data analysis. CAP directs technical assistance has some time and monetary limitations (up to \$7500), for more information send mailto:EnvironmentalHotline@aec.apgea.army.mil or call (410) 436-3206 (DSN 584).	T	
Forest Pest Suppression Funding (Insects & Diseases Only)	Funds are available from the USFS to support projects for suppression of forest pests on DoD lands. The legal definition of a pest is “an insect or disease”. Installations develop proposed projects. Proposed projects are forwarded from USAEC through the Armed Forces Pest Management Board to the Forest Service for approval of funding. For more information: contact the USAEC forester, the USAEC/Forest Service Liaison at (410)	T	

	436-3206 (DSN 584), or your local Forest Service office.		
DoD Legacy Program	The DoD Legacy program provides funds for stewardship projects not eligible for funding under the management fund program. Information on the Legacy program is available through DENIX (password required) at https://www.denix.osd.mil/denix/Public/ESPrograms/Conservation/Legacy/dodlegacy.html or call (410) 436-3206 (DSN 584).	T	
Pilot Program Candidate	Pilot projects are conducted on Army installations to demonstrate new projects and develop lessons learned. Installations gain the benefit of the free service. If you are interested in participating call (410) 436-3206 (DSN 584).	T/F	
Reimbursable Programs Tracking System (RPTS)	This internet based system relates to the fiscal management of the Army's reimbursable forestry, agricultural/grazing outlease, and fish and wildlife conservation resources. These national resources programs involve Army installations, regions, USACE Districts, Army Headquarters, and DFAS. For more information call (410) 436-3206 (DSN 584).	T	X
The National Environmental Education & Training Foundation (NEETF)	This funding can be requested by visiting the website below for conservation/preservation projects on Army installations. If an installation has projects like creating nesting habitat, cleaning up a historic sea wall, installing picnic tables at your campground this foundation can provide up to \$6,000 a year. The project must be supported by volunteers and conducted on the last weekend of September. For more information, go to http://www.npld.com/ or call (800) 865-8337 or (410) 436-3206 (DSN 584).	T	X

Technical Support

Topic	Description	Free Service Telephonic or Field	Installation Funded
Biological Assessment (BA) & Endangered Species Management Plan	USAEC can provide assistance in the preparation and of Bas. It can also provide a technical review of draft BAs before the required submission to HQDA. For more information call (410) 436-3206 (DSN 584).	T/F	
BLM Library	This service is available to installations and can provide current periodical reference searches, textbook interlibrary loan, access to databases, monthly alerts, and journals. The BLM library phone number is (303) 236-6648 for general searches or (303) 236-6650 for legal searches or visit the following website http://aec.army.mil/usaec/conservation/library00.html .	T	
Cooperative Agreement Program	This program provides installations another alternative to contracts. A vendor cooperates with the Army installation in developing the product, and does not charge a profit. A list of available vendors can be provided, and vendors can be added. For more information visit the following website http://www.usamraa.army.mil/ , or call B.C. Baker at (301) 619-2035 or Michael Younkens at (301) 619-2503.	T	
Enforcement Coordination on Technical Issues	To report violations or request assistance contact the appropriate Regional Office. The USAEC/USFWS Liaison can also provide points of contact call (410) 436-3206 (DSN 584).	T	
Contract Support	The USAEC provides delivery order contracts that are established to assist with installation level projects. Installations are able to access open contracts to allow for efficient funding mechanisms. For more information call (410) 436-3206 (DSN 584).	T	X
ESA Federal Register Review	The Natural Resources Branch reviews the Federal Register each day for endangered species related announcements (proposed and final rules, etc.) The intent of the review is to provide notice to HAD, MACOMs, IMA		

	Regions, and installations of endangered species related published final and proposed rules that may affect the Army and our installations so that they can take appropriate action (e.g. respond to the regulators). Twice a month we distribute (via e-mail) a summary of those reviews. For more information or to be placed on the e-mail list call (410) 436-3206 (DSN 584).	T/P	
Federal Agency Liaison Support	USAEC continues to work with several federal environmental agencies to establish liaison support to aid installations to meet their short-term needs for natural resources management. Expertise available includes National Environmental Policy Act (NEPA) Compliance, preparation of Integrated Natural Resources Management Plans (INRMPs), inventories and ecosystem approaches to landscape management, and a wide range of support listed below. For assistance call the USAEC at (410) 436-3206 (DSN 584) and ask for the agency liaison.	T/F/P	
Agronomy	Contact the USAEC/Cooperative State Research, Education, and Extension Service (CSREES) Liaison for assistance in obtaining best management practices information or consultation on agronomy issues. USAEC can also assist in obtaining technical expertise on integrated pest management from Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	
Damage Assessments	Rapid surveys after hurricanes or other climatic events to provide stabilization and recovery recommendations. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Emergency Watershed Protection	NRCS is available to provide emergency technical assistance in response to natural disasters that either cause erosion (hurricanes) or could potentially cause erosion (large scale wildland fires). Contact USAEC/NRCS Liaison at (410) 436-3206 (DSN 584).	T	
Entomology	Contact the USAEC/CSREES Liaison for assistance in obtaining best management practices information or consultation on entomology issues in support of the Installation Pest Management Plan. USAEC can also assist in obtaining technical expertise on integrated pest management from Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	
Erosion Control	USAEC provides liaison support and coordination between the installation and the local NRCS. The CAP can fund emergency erosion control problems. For more information call (410) 436-3206 (DSN 584) and ask for the NRCS representative.	T/F	
Fish & Wildlife Habitat Management	Information for management relative to federally protected species can be obtained from local USFWS Field Offices. Resident species information can be obtained from the appropriate State fish and wildlife agency. The USAEC/USFWS Liaison can provide specifics. The Forest Service also can provide information on managing species and can conduct surveys (on a reimbursable basis). Contact the USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Forest Health Monitoring	The Forest Service's Forest Health Monitoring (FHM) is a national program designed to determine the status, changes, and trends in indicators of forest condition annually at the regional and state level. FHM methods can be adapted to assess ground troop impacts on forested areas. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X

Forest Information – Regional & State	The Forest Service’s Forest Inventory and Analysis Group reports on status and trends in forest area and location; in the species, size, and health of trees; in total tree growth, mortality, and removals by harvest; in wood production and utilization rates by various products; and in forest land ownership. This data enables land managers to devise better management plans and to assess the effects of current and past management practices on the land. Go to the web at http://www.fia.fs.fed.us for background information or to access the online databases or contact the USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/P	
Forest Insect & Disease Surveys & Information	Aerial surveys are flown on an as needed basis in areas experiencing an insect or disease outbreak. Ground surveys may also be conducted to identify and evaluate insect and disease problems. Assistance in controlling major forest pests is available. To find out if your installation was included in the survey or to include it, contact the USAEC forester at (410) 436-3206 (DSN 584), the USAEC/USFS Liaison, or your local Forest Service office. Expenses of the survey are usually borne by the Forest Service. Information on pest species is available in printed format and on the web at http://www.na.fs.fed.us/spfo and click on “online publications”.	T/F/P	
Forest Management & Stewardship	Information and direct assistance are available from the USFS on timber sale preparation and administration; forest inventories and prescriptions; forest certification; criteria and indicators; sustainable management; on-site forestry assistance; information; development of forest management plans; reforestation (planting); develop environmental stewardship brochures for soldiers (soldier cards); natural resources training. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Forest Pest Suppression Funding (Insects & Diseases Only)	Funds are available from the USFS to support projects for suppression of forest pests on DoD lands. The legal definition of a pest is “an insect or disease”. Installations develop proposed projects. Proposed projects are forwarded from USAEC through the Armed Forces Pest Management Board to the Forest Service for approval of funding. For more information: contact the USAEC forester, the USAEC/Forest Service Liaison at (410) 436-3206 (DSN 584), or your local Forest Service office.	T	
Growing Trees, Shrubs, Plants (Installations in WA, OR ID, MT, WY, CA, NV, UT, CO, AZ, NM)	A joint BLM and USFS nursery in Oregon will grow plants from seeds collected on your installation for your reforestation or restoration project. They can also provide information on how and when to collect seed or provide the people. Done on a reimbursable basis. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584) or the J. Herbert Stone Nursery 541-858-6100; or http://www.fs.fed.us/r6/rogue/jhsn/ .	T	X
Hazard Tree Management	Training in identification and management of trees that pose a safety hazard is available from the Forest Service’s Forest Health Protection program. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584) or see the following website http://www.na.fs.fed.us/spfo/hazard/index.html .	T/P/F	
INRMP Management Plans & Other Issues Related to Sikes Act	The USFWS is available to cooperatively assist in developing INRMPs. Local Field Offices should be consulted early and often. Regional Offices have designated Sikes Act Coordinators. USAEC/USFWS Liaison available for specific details at (410) 436-3206 (DSN 584).	T	

INRMP Preparation	All USAEC Liaisons can review INRMPs and provide recommendations. The USFS and the USFWS can provide subject matter experts to offer recommendations, to write sections of the INRMP, to be members of the installation's INRMP development team. Some assistance is free some is on a reimbursable basis. Contact USAEC/USFS/USFWS Liaisons at (410) 436-3206 (DSN 584).	T/F	X
Integrated Pest Management	Contact the USAEC/CSREES Liaison for assistance in obtaining best management practices information or consultation on integrated pest management in support of the Installation Pest Management Plan. USAEC can also assist in obtaining technical expertise on integrated pest management from Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	
Invasive Species	Contact the USAEC/CSREES Liaison for assistance in obtaining best management practices information or consultation on invasive species. USAEC can also assist in obtaining technical expertise on invasive species from the Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	
Law Enforcement for Federally Protected Plant & Animal Species	To report violations or request assistance contact the appropriate Regional USFWS Office. The USAEC/USFWS Liaison can also provide points of contact. Call (410) 436-3206 (DSN 584).	T	
Migratory Bird Management	Information and assistance associated with migratory birds can be obtained from USFWS Field and Regional Offices. USAEC/USFWS Liaison available for information at (410) 436-3206 (DSN 584).	T	
Military Access to National Forest System Lands	USFS lands are available for many uses including certain types of military training. This is allowed via a special use permit. Contact the USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	
National Environmental Policy Act (NEPA)	All Liaisons are available to review and comment on NEPA documents. The USFS also will work with the installation to provide personnel to write NEPA documents on a reimbursable basis. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Natural Resources Training	The USFWS National Conservation Training Center offers a multitude of classes relative to fish and wildlife management. Contact the Training Center, http://training.fws.gov , or the USAEC/USFWS Liaison for details at (410) 436-3206 (DSN 584).	T	
Noxious Weed Management	NRCS can provide consultation on noxious weed management through their local offices. For the number to your local office call (410) 436-3206 (DSN 584).	T	
Obtaining Trees, Shrubs, & Plants	Plants may be obtained for low cost from state- or federally-operated nurseries; for locations of state, federal, tribal, or other nurseries see http://rngr.fs.fed.us/nurseries/directories.html and look for those in your area. For additional information, contact the USAEC/USFS Liaison or the USAEC/NRCS liaison for NRCS plant materials centers at (410) 436-3206 (DSN 584).	T	X

Outdoor Recreation Planning	Information and assistance on developed (e.g., campgrounds, ski areas) or dispersed (e.g., hiking, horse, or off-road vehicle trails) recreation planning is available. Contact the USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Planning Level Surveys	Liaisons can provide agency personnel to conduct certain planning level surveys on a reimbursable basis. Contact USAEC/USFS Liaison for flora, fauna, vegetation communities, and threatened and endangered species surveys. Contact USAEC/NRCS Liaison for soil surveys. Contact USAEC/USFWS Liaison for wetlands and threatened and endangered species surveys. Phone (410) 436-3206 (DSN 584).	T	X
Plant Diseases	Contact the USAEC/CSREES Liaison for assistance in obtaining best management practices information or consultation on Plant disease issues. USAEC can also assist in obtaining technical expertise on integrated pest management from Land Grant Universities in each of the states. Call (410)-436-3206 (DSN 584).	T	
Plant Materials Assistance	Plant materials assistance includes all aspects of vegetation and/or revegetation and water quality needed to sustain training on an installation including: soil erosion, buffer strips, bioengineering of stream banks and steep slopes, wetland development, wear tolerant vegetation, wildlife enhancement, native plant establishment, heavy metal tolerance, berm revegetation on small arms ranges, runoff from impact areas and also dust and noise abatement. Contact the USAEC/NRCS Liaison at (410) 436-3206 (DSN 584) or your local NRCS office. Either contact will be able to request assistance from the Plant Materials Specialist or Plant Materials Center that serves the installation.	T	
Prescribed Burning & Wildland Fire Management	The USFS can arrange for wildland fire training, development of wildland fire management plans, on-site assistance in conducting prescribed burns, and design and/or review of prescribed burn plans usually on a reimbursable basis, but some assistance may be free. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Range (Grazing) Conservation	NRCS can help installations develop conservation plans including agricultural and or grazing. Contact USAEC/NRCS Liaison at (410) 436-3206 (DSN 584) or the local NRCS office servicing the county their installation is located in.	T	
Reclamation/ Restoration Of Eroded Areas	NRCS works directly with many installations to provide erosion control. Other installations may contact USAEC/NRCS liaison or the local NRCS office servicing the county their installation is located in. For those installations with heavy training that leads to erosion, the NRCS Liaison can work with them and local NRCS to place personnel for long term details. NRCS can be utilized for short-term consultations for little or no funding (up to about 3 days). Call (410) 436-3206 (DSN 584).	T	
Riparian/Stream Corridor Restoration	The USFS and NRCS can aid installations in planning and overseeing restoration projects in and along streams. A "Stream Corridor Restoration" handbook was developed by 15 Federal Agencies, including the USFS, NRCS, and Army Corps of Engineers. It can be viewed at the following website http://www.usda.gov/stream_restoration/newgra.html . Contact the USAEC/NRCS or USFS Liaison. Call (410) 436-3206 (DSN 584).	T/F	X

Road and Firebreak Design	The Forest Service can evaluate road and firebreak design and layout and make recommendations on maintenance, closure, and optimum design. Reimbursable project. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Soil Quality Monitoring	The Soil Quality Institute of NRCS has developed easy to use tools and guidelines to determine and monitor soil health. NRCS specialists may be available for special projects concerning soil quality on installations. Contact the USAEC/NRCS liaison at (410) 436-3206 (DSN 584).	T	
Soil Surveys	Provide guidance on obtaining up-to-date soils data and soil surveys of the installation. NRCS can provide scientists to make detailed soil surveys of installations or other areas of concern and available to provide consultations on the ability of soils to support specific uses, i.e., trafficability of various maneuver units; bivouac sites; building sites; golf courses; recreational trails; etc. Contact USAEC/NRCS Liaison at (410) 436-3206 (DSN 584).	T	
Technical Information Transfer, Development, Research	Forest Service scientists are available to conduct natural resources projects/research or to adapt existing technology to local conditions. Examples: determining carbon sequestration rates; developing fire models for local forest and grassland conditions; trend analyses from forest inventory or other data; monitoring sediment rates; conducting thinning research. Contact USAEC/USFS liaison at (410) 436-3206 (DSN 584).	T/F	X
Threatened & Endangered Species	Information and assistance relative to T&E Species can be obtained from local USFWS Field or Regional Offices. Contact the USAEC/USFWS Liaison for any assistance at (410) 436-3206 (DSN 584).	T	
Urban and Cantonment Forestry	Information on planting and maintaining trees near administrative or housing areas is available at website http://www.na.fs.fed.us/spfo and click on "Urban and Community Forestry"; also available in printed material. On-site visits can be arranged. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X
Weed Science	Contact the USAEC/CSREES Liaison for assistance in obtaining best management practices information or consultation on weed science issues. USAEC can assist in obtaining technical expertise on integrated pest management from Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	
Wetland Delineation/ Inventory	National Wetland Inventories (planning level surveys or delineations) can be provided by the USFWS. Contact USAEC/USFWS Liaison for specific details at (410) 436-3206 (DSN 584).	T	
Windbreaks	NRCS can help design and install windbreaks for wind erosion control and living snow fence designs. Contact the USAEC/NRCS liaison at (410) 436-3206 (DSN 584).	T	
INRMP Preparation & Assistance	The USAEC Staff and Federal Liaisons can review INRMPs and provide recommendations. The USFS and the USFWS can provide subject matter experts to offer recommendations, to write sections of the INRMP, to be members of the installation's INRMP development team. Some assistance is free; some is on a reimbursable basis. Contact USAEC at (410) 436-3206 (DSN 584) or see the posted guidance on the USAEC website http://aec.army.mil/usaec/conservation/natural01.html .	T/F/P	X
Invasive Species Control and	Contact the USAEC/ Cooperative State Research, Education, and Extension Service (CSREES) Liaison for assistance in obtaining best management		

Mitigation	practices information or consultation on invasive species. USAEC can also assist in obtaining technical expertise on invasive species from the Land Grant Universities in each of the states. Call (410) 436-3206 (DSN 584).	T	X
Low Impact Development	USAEC has begun to introduce the concepts of Low Impact Development (LID) thru a series of workshops at various installations to support their sustainability program. LID uses small, distributed, micro-scale conservation landscape techniques that reduce the impact of storm water on aquatic ecosystems and maintain natural processes. These workshops have demonstrated how LID protects the ecological integrity of receiving waters by maintaining the watershed's hydrologic regime, thus having a positive effect on stream stability, habitat structure, base flows, and water quality. For more information about LID workshops contact USAEC at (410) 436-3206 (DSN 584).	T	
Nutrient Management Plans	The 1998 Federal Agencies Chesapeake Ecosystem Unified Plan requires that all Federal lands within the Chesapeake Bay Watershed have nutrient management plans. USAEC has prepared a template to help installations develop plans specific to their installation. The template has special emphasis on agricultural, construction, turf, golf course, recreation, and developed lands. For more information call (410) 436-3206 (DSN 584).	T	
Stream Assessment	Stream assessments were conducted on Army installations in the state of Maryland from a survey developed by the Watershed Restoration Division Maryland Department of Natural Resources. The Stream Corridor Assessment (SCA) survey is designed to provide a method to both rapidly assess the general physical condition of a stream system and identify the location of a variety of common environmental problems with the stream's corridors to help target restoration areas. To receive copies of this survey contact MDNR at http://www.dnr.state.md.us/streams/pubs/pub_list.html or call (410) 436-3206 (DSN 584).	T	
Threatened & Endangered Species Support	USAEC provides detailed BAs and endangered species management plan reviews, and scan the Federal Register for Endangered Species Act (ESA) announcements to alert installations to any newly listed or proposed species in their area. For more information call (410) 436-3206 (DSN 584).	T/F	
Army Reporting Systems	USAEC provides assistance in the preparation of EQR data input and EPR projects. Call (410) 436-3206 (DSN 584).	T	
Contract Support	USAEC can assist and the statement of work development in the contracting actions. There is a Natural Resources Program Assistance Announcement that facilitates the development of cooperative agreement to provide natural resource related support for your installations. Call (410) 436-3206 (DSN 584).	T	
Emergency Section 7 Consultation Under The ESA Assistance	ODEP has released a policy and guidance memorandum to assist installations. For more information call (410) 436-3206 (DSN 584).	T/P	
General Technical Support	Telephonic support in the form of Law, Statute, AR, policy, guidance interpretation and implementation. Call (410) 436-3206 (DSN 584).	T	
T&E Listing Action Responses	USAEC can help support your preparation of responses to proposed rules (responses are required by AR 200-3, when proposed rules may affect your installation). Call (410) 436-3206 (DSN 584).	T	

Planning Level Surveys (PLS)	USAEC can provide generic Statements of Work for all Planning Surveys. Call (410) 436-3206 (DSN 584).	T	
Review Biological Assessments (BA)	BA's are required to assess the potential impacts of major actions (training, natural resource management) to listed T&E species under the ESA. USAEC can provide technical support for the preparation of any aspect of the BA (survey's, site assistance, coordination with USFWS). Call (410) 436-3206 (DSN 584).	T/F	
Review ESA Related Federal Register Announcements	USAEC scans and reviews all ESA related Federal Register Notices (the Federal Register is the official method to published proposed and final rules for all listing actions of the USFWS or the National Marine Fisheries Service related to the ESA) that have the potential to affect Army installations and mission. These updates are e-mailed to interested parties. For more information call (410) 436-3206 (DSN 584).	T/P	
Site Assistance Visits	USAEC can provide limited site assistance for all ESA related actions (consultation, survey work, etc). For more information call (410) 436-3206 (DSN 584).	T/F	
Watershed Management	The USAEC/EPA liaison can provide assistance on watershed assessment, other watershed issues, and numerous other water/wastewater areas. For more information call (410) 436-3206 (DSN 584).	T	
Wildlife Management	The purpose of the Army's Fish and Wildlife Conservation Program, otherwise known as the Hunting and Fishing program, is the conservation and rehabilitation of natural resources on military installations through the sustainable multipurpose use of the resources, which includes hunting, fishing, and trapping. The program is executed on the installation level with program oversight provided by the MACOMs, ODEP and USAEC. Call (410) 436-3206 (DSN 584).	T	

Reporting

Topic	Description	Free Service Telephonic or Field	Installation Funded
EPR Assistance	USAEC can conduct a side-by-side review upon request from the MACOM or the IMA Region. The benefit to installations is the process can clarify funding policies. For more information call (410) 436-3206 (DSN 584).	T/F	
Environmental Quality Report (EQR)	USAEC provides QA and assistance with conducting Environmental Quality Reports (EQR). For more information call (410) 436-3206 (DSN 584).	T	
IPR Assistance	USAEC can provide technical assistance on projects while they are in progress. The Natural Resource staff can provide information on timelines and expected costs of a project. For more information call (410) 436-3206 (DSN 584).	T	
PMR Assistance	USAEC establishes an annual work plan with IMA Regions to determine a prioritization of Conservation projects. Installations can ask for assistance with their projects to warrant a higher priority. For more information call (410) 436-3206 (DSN 584).	T/F	
Pre-ECAS Inspection (Informal Assistance)	Installations can request technical assistance prior to the inspection to ensure compliance with the checklist. A separate set of eyes can review the installations findings and can provide a mechanism for quality control. For more information call (410) 436-3206 (DSN 584).	T/F	

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Cultural Resources

Guidelines

Topic	Description	Free Service Telephonic or Field	Installation Funded
AR 200-4, Cultural Resources Management	The Army Regulation lays out Army policy for managing cultural resources to meet legal compliance requirements and to support the military mission. For more information see http://www.usapa.army.mil/pdffiles/r200_4.pdf or call (410) 436-3206 (DSN 584).	T/P	
AR 350-4 Integrated Training Area Management	This AR supports the installation training area management program to conserve Army lands for military readiness training. For more information call at (410) 436-3206 (DSN 584).	T/P	
American Indian & Alaska Native Policy & Consultation	The DoD American Indian and Alaska Native Policy establish principles for interacting and working with federally recognized American Indians, Alaska Natives and Native Hawaiians. These principles are based on tribal input, federal policy, treaties, and federal statutes. The policy is available at http://aec.army.mil/usaec/conservation/dod_aian_policy.pdf . The Army implements its Native American cultural resources program through policy in AR 200-4. Guidelines for Army consultation with Native Americans (DA PAM 200-4, Appendix F) provide guidance not only for consultation with American Indians, but also Alaska Natives and Native Hawaiians. Call (410) 436-3206 (DSN 584).	T/P/F	
Army Cultural Resource Program	<p>Cultural resource “Fact Sheets” are available on a number of topics. These sheets provide a brief overview of various aspects of the cultural resource program in the Army. Available topics are:</p> <ul style="list-style-type: none"> Streamlined Compliance for Army Installations U.S. Army Cooperative Agreements for Cultural Resources Support Managing U.S. Army Cultural Resources U.S. Army Integrated Cultural Resource Management Plans U.S. Army Native American Cultural Resources U.S. Army Economic Analysis for Historic Buildings U.S. Army Cultural Resources Technical Documents U.S. Army Cultural Resources Management Partnerships U.S. Army Cultural Resources Management Training <p>These fact sheets are available at http://aec.army.mil/usaec/conservation/cultural01.html or call (410) 436-3206 (DSN 584).</p>	T/P	
Army Alternate Procedures (AAP)	The AAP is an option Army installations can use to streamline Section 106 requirements of the National Historic Preservation Act, in lieu of the procedures set forth in 36 CFR Part 800. Installations develop a Historic Properties Component Plan, including standard operating procedures, in consultation with stakeholders, and internally regulate following SOPs for 5 years once certified. Guidelines on using the AAP are forthcoming. For more information visit http://www.achp.gov/army.html - aap or call (410) 436-3206 (DSN 584).	T/P/F	

Topic	Description	Free Service Telephonic or Field	Installation Funded
Capehart and Wherry Era Army Family Housing Program Comments	The Capehart-Wherry Program Comments are a one-time, Army-wide, centrally funded effort to address Capehart-Wherry Era (1949-1962) Family Housing. The Advisory Council on Historic Preservation approved the Army's request for Program Comments on 31 May 2002. All requirements for Section 106 compliance at individual installations have been completed. Mitigation efforts include revision and update of the historic context, neighborhood design guidelines, and recordation. For more information visit http://www.achp.gov/news-capehartwherry.html or call (410) 436-3206 (DSN 584).	T/P	
Curation	DoD provides a review and synthesis of existing federal and non-federal guidelines for collecting archeological field data and curating archaeological collections in the document "Guidelines for the Field Collection of Archaeological Resources and Standard Operating Procedures for Curating DoD Archeological Collections". This document is available through DENIX (password required) at https://www.denix.osd.mil/denix/Public/ES-Programs/Conservation/Legacy/Collguide/collguide.pdf . Call (410) 436-3206 (DSN 584).	T/P	
DA PAM 200-4 Cultural Resource Management	This pamphlet provides guidance for implementation of the Army's policy as prescribed in AR 200-4 Cultural Resources Management. Cultural resources are defined as historic properties as defined in the National Historic Preservation Act, cultural items as defined in the Native American Graves Protection and Repatriation Act, archeological resources as defined in Archeological Resources protection Act, sacred sites as defined in EO 13007. For a copy of the document see http://www.usapa.army.mil/pdffiles/p200_4.pdf .	T/P	
Historic Contexts	<p>There are numerous Army-wide and DoD-wide historic contexts available. Contexts are available on the following topics:</p> <ul style="list-style-type: none"> • Army Ammunition and Explosives Storage • Wherry and Capehart Family Housing • World War II Permanent Construction • Cold War Era Military-Industrial Properties • DoD Installations 1790-1940 • U.S. Quartermaster Standardized Plans 1866-1942 • 700 and 800 Series Cantonment Construction • Military Heritage in the Pacific • Military Heritage in the Cold War • World War II Temporary Military Buildings • American Legacy in Panama • U.S. Cold War Missile Program • Military Aircraft Hangars • Army Fixed-Wing Airfields • African-American Military Experience • Settler Communities in the West • Ironmaking Bloomery Forges at Picatinny Arsenal • World War II Era Black Officers' Club at Fort Leonard Wood <p>Some of these documents are available through DENIX (password required) at https://www.denix.osd.mil/denix/Public/ES-Programs/Conservation/Legacy/cultural_miscellaneouscultural.html</p> <p>Others are available from USAEC at http://aec.army.mil/usaec/conservation/cultural01.html#documents or call (410</p>	T/P	

Topic	Description	Free Service Telephonic or Field	Installation Funded
	436-3206 (DSN 584).		
Historic Preservation Law	A summary of case law on historic preservation is available in “Federal Historic Preservation Case Law, 1966-1996” and “Federal Historic Preservation Case Law Update, 1996-2000”. These reports contain summaries of legal opinions, as well as an overview of Federal historic preservation law from 1966 to 2000 to put those opinions in context. They present an objective review of the case law addressing NHPA and its implementing regulations in addition to preservation-related Executive Orders and other Federal statutes dealing with historic preservation. They also address various procedural questions involved in preservation litigation. These reports cover all cases that involve the National Historic Preservation Act and summarize claims brought under the act and any other preservation-related claims those cases may contain. These reports are available at http://www.achp.gov/book/COVER1.html or call (410) 436-3206 (DSN 584).	T/P	
Integrated Cultural Resource Management Plan	The Integrated Cultural Resources Management Plan is a 5-year plan for compliance with all cultural resource requirements and serves as the internal Army compliance and management plan that integrates the installation cultural resources program with mission activities. Sample ICRMPs are available from the USAEC TIC (1-800-USA-3845 or mailto:USAECTIC@aec.apgea.army.mil) and a sample EA for ICRMP implementation is available. For more information visit http://aec.army.mil/usaec/conservation/cultural01.html or call (410) 436-3206 (DSN 584).	T/P	
Integrated Cultural Resource Management Plan Tool Box	An electronic guide to ICRMP has been developed for the DoD. Called an “Electronic Tool Box”, this resource provides information on the purpose, components, development and use of an ICRMP. The toolbox is available through DENIX (password required) at https://www.denix.osd.mil/denix/Public/ES-Programs/Conservation/Legacy/ETB/EtbWelcome.htm or call (410) 436-3206 (DSN 584).	T/P	

Personnel Support

Topic	Description	Free Service Telephonic or Field	Installation Funded
Contracts for Manpower Assistance	Contract tools are pre-established at the USAEC contracting office that installations can access for an augmented workforce. The biggest value for installations is the speed and ease because the contracting mechanism is already established. For more information call (410) 436-3206 (DSN 584).	T	X
Cooperative Agreements	The Cooperative Agreements allow organizations to provide cultural resources technical assistance directly to Army installations, major commands, and headquarters. They involve stakeholders in promoting effective, long-term, sound stewardship of the Army's cultural resources. The stakeholder organizations offer flexibility and expertise to promote excellence in all cultural resources program areas. There are currently 15 organizations that offer support under the cooperative agreements , including universities, non-profit organizations, and private industry. Services offered include preparation of Integrated Cultural Resource Management Plans, Planning Level Surveys and Inventories, meeting/conference planning, curation services, Native American consultation, and technical support. For additional information see the Foundation section or call (410) 436-3206 (DSN 584) or visit the following website http://www.usamraa.army.mil/pages/Baa_Paa/paa_announcements.htm .	T	X

ORISE Program	A program that provides installations access to new college graduates and current students to work as interns on installations. These participants can work in any capacity requiring a background in the sciences and engineering. Full and part-time. For information call the ORISE Program Coordinator at (410) 436-7257 (DSN 584) or visit http://www.ora.gov/orise.htm .	T	X
U.S. Army Corps of Engineers	<p>The U.S. Army Corps of Engineers provides cultural resource support services through their Centers of Expertise, laboratories, and district offices. These include:</p> <ul style="list-style-type: none"> Center of Expertise for the Preservation of Buildings and Structures at the Seattle District (https://www.nws.usace.army.mil/PublicMenu/Menu.cfm?sitename=historic&pagename=mainpage) Mandatory Center of Expertise for the Curation and Management of Archeological Collections at the St. Louis District (http://www.mvs.usace.army.mil/engr/curation/home.htm) Engineer Research and Development Center (http://www.erd.usace.army.mil/), including the Construction and Engineering Research Laboratory (http://www.cecer.army.mil/) <p>In addition, many Corps districts provide a range of cultural resource services. Contact individual districts for further information on services provided. General information on the Corps and links to district sites can be found at http://www.usace.army.mil/. For more information call (410) 436-3206 (DSN 584).</p>	T	

Training

Topic	Description	Free Service Telephonic or Field	Installation Funded
Archeological Collections Management *	This web-based course provides information on all aspects of caring for archeological collections; the activities dealing with all kinds of archeological collections (i.e., objects, records, reports, and digital data) in all kinds of places (i.e. the field, the archeologist's office, the lab, and the repository). The information provided is designed to assist those who are interested in or need to learn more about preserving and managing archeological collections over the long term. Online technical assistance on the management of archeological collections is available from the National Park Service by calling (410) 436-3206 (DSN 584) or visit http://www.cr.nps.gov/aad/collections/index.htm .	T/F	X
Archeological Resource Protection Act *	Training is available from the Federal Law Enforcement Training Center (FLETC), Department of the Treasury, on the Archeological Resources Protection Act. The Archeological Resources Protection Training Program (ARPTP) has been developed by the FLETC with the U.S. Forest Service, the Bureau of Land Management, and the National Park Service. Course instructors are experienced in both criminal investigation and archeology. Information on this course is available by calling (410) 436-3206 (DSN 584) or visit http://www.fletc.gov/tmd/cotp.pdf .	T	X
Basic Environmental Law *	This course promotes stewardship for our natural resources and ensures compliance with all applicable laws, as well as instilling an environmental ethic. Daily case studies are presented and analyzed that offer real-life examples of issues. Senior DoD environmental attorneys serve during the three-day course as guest instructors. For more information visit the following website https://www.cecos.navy.mil/schedule.asp or call (410) 436-3206 (DSN 584).	T	X

	584).		
Cultural Resource Management Plan	This web-based course provides an electronic guide to ICRMP has been developed for the DoD. Called an "Electronic Tool Box", this resource provides information on the purpose, components, development and use of an ICRMP. The toolbox is available through DENIX (password required) at https://www.denix.osd.mil/denix/Public/ES-Programs/Conservation/Legacy/ETB/EtbWelcome.htm or call (410) 436-3206 (DSN 584).	T	X
Cultural Resource Information *	An electronic training tool is available from the DoD that provides an overview of cultural resource issues. This tool, entitled "Defending the Legacy: A Basic Training Program for DoD Cultural Resource Managers" is available through DENIX (password required) at https://www.denix.osd.mil/denix/Public/ES-Programs/Conservation/Defleg/defleg.html or call (410) 436-3206 (DSN 584).	T	X
Historic Preservation Law & Section 106 Compliance #	This 3-day resident course emphasizes legal compliance (the National Historic Preservation Act Section 106 process) through the use of actual case studies. It addresses legislation and the process to meet the requirements of the law. Information on dates, locations and registration is available at https://www.cecos.navy.mil/schedule.asp . (scroll down to the Environmental Conservation listings) or call (401) 436-3206 (DSN 584). (No tuition)	T	X
Historic Structures: Craft Skills *	This 4-day training course provides skills used in the preservation and restoration of historic structures and buildings is provided by the Seattle District of the Corps of Engineer's Center of Expertise for Preservation of Structures and Buildings. For information on dates, locations and registration, see http://www.nws.usace.army.mil/PublicMenu/Menu.cfm?sitename=historic&page name=training . For more information call (410) 436-3206 (DSN 584).	T	X
Historic Structures: Maintenance & Repair *	This 4-day training course provides in the maintenance and repair of historic structures and buildings is provided by the Seattle District of the Corps of Engineer's Center of Expertise for Preservation of Structures and Buildings. For information on dates, locations and registration, see http://www.nws.usace.army.mil/PublicMenu/Menu.cfm?sitename=historic&page name=training . For more information call (410) 436-3206 (DSN 584).	T	X
Internet Use for Conservation Professionals #	This 1-day resident class covers basic principles of internet use, its structure, development, capabilities, and features. The course focuses on internet information search techniques using various web search engines. The target audience is conservation professionals. For more information visit https://otis.fws.gov/start.cfm , click on "guest", and type the course name in the search box or call (304) 876-7220.	T	X
Introduction to Cultural Resources Management Laws & Regulations #	This 3-day resident course provides a basic overview of federal cultural resources laws and regulations. This three-day classroom experience provides an integrated overview of all pertinent laws and regulations needed to understand and fulfill cultural resource management responsibilities. Information on dates, locations and registration is available at https://www.cecos.navy.mil/schedule.asp . (scroll down to the Environmental Conservation listings). For more information call (410) 436-3206 (DSN 584). (No Tuition)	T	X
Introduction to Section 106 Review	This up-to-date two-day introductory course helps participants understand how Section 106 of the National Historic Preservation Act protects historic properties. The Advisory Council on Historic Preservation co-sponsors the course with the University of Nevada-Reno, as part of the University's award-winning program of continuing education short courses in Heritage Resources Management. For information on schedule and locations see http://www.achp.gov/training.html or call (410) 436-3206 (DSN 584).	T	X

Native American Traditions & Cultures #	This 4-day training course highlights responsibilities of military commands for establishing and maintaining consultative relationships with Native Americans under laws, regulations, and DoD (DoD) guidance and directives, including the new DoD American Indian and Alaska Native Policy. For information see https://www.cec.navy.mil/schedule.asp . (scroll down to the Environmental Conservation listings) or call (410) 436-3206 (DSN 584). (No tuition)	T	X
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Funding Assistance

Topic	Description	Free Service Telephonic or Field	Installation Funded
Cooperative Assistance Program	The Cooperative Assistance Program (CAP) provides installations up to \$7500 for rapid “hands on” technical assistance and technology application for field problems associated with cultural resources on DA lands. CAP direct technical assistance has some time limitations, which can be explained by the CAP manager by e-mailing the following address: mailto:EnvironmentalHotline@aec.apgea.army.mil . For more information call (410) 436-3206 (DSN 584).	T	
DoD Legacy Program	The DoD Legacy program balances the intensive use of DoD lands for military training and testing with the protection of the DoD's natural and cultural resources. Funding through the Legacy program is available for partnership-based efforts. Information on the Legacy program is available through DENIX (password required) at https://www.denix.osd.mil/denix/Public/ES-Programs/Conservation/Legacy/dodlegacy.html . For more information call (410) 436-3206 (DSN 584).	T	

Technical Support

Topic	Description	Free Service Telephonic or Field	Installation Funded
Document Review	USAEC supports installations by providing technical review of various cultural resource documents. As mandated by AR 200-4, USAEC reviews compliance agreement documents and National Register nominations. In addition, review of documents such as historic building re-use studies, consultation correspondence, historic structures reports and historic contexts is available. For more information, contact the Cultural Resources Branch at (410) 436-3206 (DSN 584).	T	
Pilot Programs	Pilot projects are conducted on Army installations to demonstrate new projects and develop lessons learned. Installations gain the benefit of the free service. If you are interested in participating call (410) 436-3206 (DSN 584).	T/F	
Installation Support	USAEC provides technical expertise on cultural resource issues to installations on request, as part of its mission to manage the Army's cultural resources program. Support includes the following: <ul style="list-style-type: none"> • Historic preservation <ul style="list-style-type: none"> ▪ Information briefings ▪ Document review ▪ Consultation support (SHPOs and ACHP) ▪ Documentation standards • Native American affairs <ul style="list-style-type: none"> ▪ Information briefings ▪ Document review ▪ Consultation support (Indian Tribes/Native Hawaiian 	T/F	

	<ul style="list-style-type: none"> organizations) <ul style="list-style-type: none"> ▪ Sacred sites issues ▪ NAGPRA/human remains issues • Archeology <ul style="list-style-type: none"> ▪ Guidance on service providers ▪ Assistance with compliance issues • Artifact Curation <ul style="list-style-type: none"> ▪ Guidance on curation providers ▪ Guidance on suitable curation facilities <p>For information on any of these support areas, contact the Cultural Resources Branch at (410) 436-3206 (DSN 584).</p>		
Layaway Economic Analysis Software	This software provides historic building life cycle cost analysis for three management alternatives: renovation and reuse; layaway/mothball; and demolition. The program is quick and easy to use for estimating and comparing costs of the alternatives over a 20-year period. http://aec.army.mil/usaec/conservation/cultural05.html . For more information call (410) 436-3206 (DSN 584).	T	
Liaison Support	The Forest Service can arrange for archaeologists and historians to assist your installation in: Developing ICRMPs; Implementing ICRMP projects; Archival surveys; Writing Programmatic Agreements; Conducting Phase I and II surveys; Conducting historic building surveys. Done on a reimbursable basis. Contact AEC/USFS Liaison at (410) 436-3206 (DSN 584).	T	X
Window Econometric Software	The Window Econometric Software program is a tool to assist in preparing life-cycle cost comparisons associated with the repair and/or replacement of windows in historic buildings. For more information call at (410) 436-3206 (DSN 584) or visit http://aec.army.mil/usaec/conservation/cultural05.html	T	

Reporting

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
EPR QA/QC	USAEC provides guidance on EPR project narratives in the "Project Catalog". For copies of the project catalog, contact the EPR POC in the USAEC Information and Environmental Reporting Division, Reporting Branch at (410) 436-1650 (DSN 584). The Conservation Division, Cultural Resources Branch, performs Quality Assurance/ Quality Control on EPR cultural resource projects. Specific questions or issues may be addressed to the EPR POC at (410) 436-3206 (DSN 584).	T	

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Pest Management

Guidelines

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
Armed Forces Pest Management Board (AFPMB)	The USAEC PM Team represents installations interests at the AFPMB and assists with development and implementation of effective DoD pest management program policy. For more information call (410) 436-3206 (DSN 584) and visit http://www.afpmb.org for DoD Directives, Instructions, and other policy information on pest management.	T/P	
AR 40-5, Preventive Medicine	This AR establishes measures to protect human health from medically important pest related injury and disease, from occupational exposures to pesticides, and other risks from pest management operations. For more information visit http://aec.army.mil/usaec/conservation/pest00.html or call (410) 436-3206 (DSN 584).	T/P	
AR 40-12, Quarantine Regulations of the Armed Forces	This AR implements current quarantine policies and procedures of the US Public Health Service and the Department of Agriculture. For more information visit http://aec.army.mil/usaec/conservation/pest00.html or call (410) 436-3206 (DSN 584).	T/P	
AR 200-2, Environmental Effects of Army Actions	This AR implements NEPA requirements that assess environmental effects of pest management operations. For more information call the Technical Information Center for an electronic copy by calling (410) 436-1239 (DSN 584).	T/P	
AR 200-5, Pest Management	This AR implements DoD and Army policies to protect health, property, and natural resources from damage by insects, weeds, and other species in ways that promote training and readiness with minimum risks to the environment. For more information call (410) 436-3206 (DSN 584) or visit http://aec.army.mil/usaec/conservation/pest00.html or http://chppm-www.apgea.army.mil/ento/ .	T/P	
AR 215-1, Administration of MWR Activities and NAFIs	This AR provides policies and procedures that influence PM operations at MWR and non-appropriated fund instrumentalities. For more information call (410) 436-3206 (DSN 548) or visit http://www.usapa.army.mil/pdf/files/r215_1.pdf	T/P	
AR 350-4 Integrated Training Area Management	This document supports the installation training area management program to conserve Army lands for military readiness training. For more information call at (410) 436-3206 (DSN 584).	T/P	
DoD Regulation 4500.9-R-Part V, DoD Customs and Border Clearance Policy and Procedures	This regulation establishes policy, prescribes procedures, defines responsibilities and identifies customs, agricultural and other border clearance requirements for entry and exit of selected countries of the world in support of US forces. For more information visit http://aec.army.mil/usaec/conservation/pest00.html or call (410) 436-3206 (DSN 584).	T/P	
DoD Instruction 4150.7, DoD Pest Management Program,	This DoD instruction implements policies, responsibilities, and procedures for the DoD pest management programs. For more information visit http://aec.army.mil/usaec/conservation/pest00.html , http://www.afpmb.org , or call (410) 436-3206 (DSN 584).	T/P	
DoD Plan 4150.7-P, Plan For the Certification of Pesticide Applicators	This DoD Plan specifies procedures for certifying pesticide applicators at DoD installations under FIFRA jurisdiction. For more information visit http://aec.army.mil/usaec/conservation/pest00.html , http://www.afpmb.org , or call (410) 436-3206 (DSN 584).	T/P	

DoD Manual 4150.7-M, DoD Pest Management Training and Certification Manual	This DoD Manual specifies standards and procedures for training of all DoD pest management personnel not under FIFRA jurisdiction. For more information visit http://aec.army.mil/usaec/conservation/pest00.html , http://www.afpmb.org , or call (410) 436-3206 (DSN 584).	T/P	
DLA Instruction 4145.31, Integrated Stored Products Pest Management	This DLA instruction establishes procedures designed to protect perishable and semi-perishable subsistence, infestible clothing and textiles, medical items, and wood products from damage, contamination, or loss due to pest infestation. For more information visit call (410) 436-3206 (DSN 584) or http://aec.army.mil/usaec/conservation/pest00.html .	T/P	
IPMP Guidance	The Installation Pest Management Plan (IPMP) is the primary installation-planning document to implement the policies and procedures in AR 200-5. The IPMP identifies the scope and importance of pest related problems, the assets and approaches to limit these problems, and the resources and strategies to meet program shortfalls. For more information, visit http://aec.army.mil/usaec/conservation/pest00.html or call (410) 436-3206 (DSN 584).	T/P	
Invasive Species	Army Policy Guidance for Management and Control of Invasive Species in regard to Executive Order 13122 was distributed by Memorandum on 26 JUN 2001. For more information call (410) 436-3206 (DSN 584).	T/P	
PM Program Guidance Websites	These websites provide DoD and Army pest management policy and guidance information: DoD Armed Forces Pest Management Board, http://www.afpmb.org DoD, Defense Environmental Network and Information eXchange, https://www.denix.osd.mil/denix/Public/Library/Pest/pest.html or Army, USAEC at http://aec.army.mil/usaec/conservation/pest00.html , and US Army Center for Health Promotion and Preventive Medicine (CHPPM) at or http://chppm-www.apgea.army.mil/ento/ .	P	
PM Services Contracts	This technical guidance is for contracts involving pest management services for conformance to program requirements. For more information call (410) 436-3206 (DSN 584).	T/P	

Personnel Support

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
Federal Liaisons	The USAEC has a number of liaisons from other federal agencies that provide telephonic and possible field support to installations. But more importantly they can provide liaison and coordination between the Army installation and the local federal agency office to better serve the installation. The federal liaison from the Cooperative State Research, Education, and Extension Service (CSREES), can provide assistance in obtaining best management practices information and technical consultations from the Land Grant Universities in each of the states. Areas of support include integrated pest management, entomology, invasive species, weed science, plant diseases, and agronomy. For more information contact the CSREES federal liaison at (410) 436-3206 (DSN-584).	T/F	

Training

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
Installation PM	The duties and responsibilities for IPMCs, described in AR 200-5, are primarily administrative and require, at a minimum, a basic knowledge of Army pest		

Coordinator	management policies and procedures. The Army Senior Consultant specifies minimum training and background requirements for IPMCs. For more information, call (410) 436-3206 (DSN 584).	T	X
Invasive Species	The PM Team has arranged special training sessions on specific invasive species such as biological control of purple loosestrife. For more information, call (410) 436-3206 (DSN 584).	T/F	X
Invasive Species #	This web-based course defines DoD's invasive species program by identifying hazards and impacts posed by invasive species, identify species and management measures. The target audience is installation command staff, natural resource managers, civil works, law enforcement and collateral duty personnel. For more information call Betty Batts at (256) 895-7407 or e-mailing her at Betty.J.Batts@hnd01.usace.army.mil . (No Tuition)		X
Pesticide Applicator	Certified Pesticide Applicators are Army or contract personnel who apply pesticides as part of their jobs. Army personnel are usually trained at Fort Sam Houston and subsequently DoD certified in accordance with an EPA-approved Plan. Visit http://www.afpmb.org/pubs/dir_inst/dod4150.7-p.pdf to review the Plan. The training required for initial certification is a Pest Management Certification Course (80-120 hours). Visit http://www.afpmb.org/pubs/courses/courses.htm for a listing of course offerings at Army, Navy and Air Force DoD Training Centers. DoD certified pesticide applicators are required to take recertification training every 3 years. Contract personnel are trained and certified by the State pesticide regulatory agency in the State where the installation is located. Visit the following website http://pep.wsu.edu/psp/scripts/stateEducation.asp?qryType=applicator for a Directory of State Coordinators for individual state Pesticide Applicator Training courses. State certified pesticide applicators are required to take recertification training according to their state's regulations. For more information concerning certified pesticide applicator initial and recertification training, call (410) 436-3206 (DSN 584).	T	X
PM Quality Assurance Evaluators (PMQAE)	PMQAEs monitor and evaluate the performance of contracts for pest management services. The PMQAE training course is 28 hours. The PM Team also provides advanced training for PMQAE on pest management techniques and issues. For more information, call (410) 436-3206 (DSN 584).	T	X

Funding Assistance

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
Forest Pest Suppression Funding	Funds are available from the USFS to support projects for suppression of forest pests on DoD lands. The legal definition of a pest is "an insect or disease." Installations develop proposed projects. Proposed projects are forwarded from USAEC through the AFPMB to the USFS for approval of funding. For more information: contact the USAEC forester, the USAEC/USFS Liaison, or the PM Team at (410) 436-3206 (DSN 584) or your local USFS office.	T	
PM/ Invasive Species Pilot Projects	The USEAC can assist in establishing and coordinating pest management and invasive species pilot/demonstration projects at installations that are relevant to installations' conservation programs. Through these projects new approaches and technologies can be evaluated for applicability to meeting installation needs. Opportunities for these projects are subject to the availability of funds. For more information call (410) 436-3206 (DSN 584).	T/F	

Technical Support

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
Best PM Practices	The PM Team can provide installations with technical assistance on best pest control practices for effective integrated pest management. For more information call (410) 436-3206 (DSN 584).	T	
Forest Pest Suppression Funding (Insects & Diseases Only)	Funds are available from the USFS to support projects for suppression of forest pests on DoD lands. The legal definition of a pest is “an insect or disease”. Installations develop proposed projects. Proposed projects are forwarded from USAEC through the Armed Forces Pest Management Board to the Forest Service for approval of funding. For more information: contact the USAEC forester, the USAEC/Forest Service Liaison at (410) 436-3206 (DSN 584), or your local Forest Service office.	T	
Invasive Species	The USAEC Cooperative State Research, Education, and Extension Service (CSREES) Liaison can provide assistance in obtaining best management practices information or subject matter expert consultation from the Land Grant Universities and other USDA agencies on invasive species issues. Two products are also available for information on and control of invasive weeds developed in cooperation with the US Army Corps of Engineers, Waterways Experiment Station: Noxious & Nuisance Plant management Information System and Aquatic Plant Information System. For more information call (410) 436-3206 (DSN 584).	T/F/P	X
IPMP	The PM Team can provide installations with review of and assistance on the technical aspects of IPMPs for effective integrated pest management. A technical guide is available; “Guidelines to Prepare Pest Management Plans for Army Installations and Activities.” For more information call (410) 436-3206 (DSN 584).	T/F/P	
Pesticide Hotline	The US Army Center for Health Promotion and Preventive Medicine provides a pesticide information hotline service to US Army and DoD pest management personnel. The USAEC supports this service. For more information, call (410) 436-3773.	T/P	
Pesticide Reduction/ Pollution Prevention	The PM Team can provide installations with technical assistance on cost effective, new pesticides, pesticide application equipment, and strategies to reduce pesticide use/risk and meet the DoD Measure of Merit for pesticide reduction. For more information call (410) 436-3206 (DSN 584).	T/P	
Pesticide Storage	The PM Team can provide installations with assistance and evaluation of pesticide storage and handling considerations. For more information call (410) 436-3206 (DSN 584).	T/P	
PM Training, Certification and Accreditation	The PM Team can provide installations with technical assistance on pest management training, certification, and accreditation issues. For more information call (410) 436-3206 (DSN 584).	T/P	
PM Contract Review	The PM Team can provide installations with technical assistance with review of pest management contracts required by AR 200-5 and DoDI 4150.7. For more information call (410) 436-3206 (DSN 584).	T/P	
PM Program Assistance	The PM Team can provide installations with technical assistance on all aspects of pest management programs. For more information call (410) 436-3206 (DSN 584).	T/F/P	
PM Subject Matter Expertise	The PM Team can provide installations with assistance and coordination in contacting pest management subject matter experts to address installation problems. For more information call (410) 436-3206 (DSN 584).	T/P	
PM Technology Development	The PM Team is interested in collaborating with interested installations to demonstrate promising pest management products, technologies, and strategies at installations. For more information call (410) 436-3206 (DSN 584).	T/P	X

Pestnews	The US Army Center for Health Promotion and Preventive Medicine provides a pesticide information hotline service to US Army and DoD pest management personnel. The USAEC supports this service. For more information, call (410) 436-3773 or e-mail Kenneth.Olds@apg.amed.army.mil.	T/P	
Pre-ECAS (Informal Assistance)	Installations can request assistance technical assistance on the pest management aspects of the ECAS. For more information, call (410) 436-3206 (DSN 584).	T/P	

Reporting

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
EPR, EQR, and ISR Assistance	The pest management team can review and help installations with the pest management aspects of these reports. For more information call (410) 436-3206 (DSN 584).	T	
PM Measures of Merit	The Pest Management Team can provide assistance on the required by AR 200-5 and DoDI 4150.7. For more information call (410) 436-3206 (DSN 584).	T	
PM Storage Assistance	The USAEC pest management section can evaluate pesticide storage, handling, and application practices for compliance to government regulations. For more information call (410) 436-1565.	T	
Pesticide Reporting	The Pest Management Team can provide assistance on pesticide reporting required by DoDI 4150.7. A technical guide is available: "How to Calculate & Report Pounds Active Ingredients for Pesticide Applications." For more information call (410) 436-3206 (DSN 584).	T/P	

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NEPA

Guidelines

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
32 CFR 651	The codified Federal Guidance for the US Army's National Environmental Policy Act (NEPA) program. For more information call (410) 436-3206 (DSN 584).	T/P	
AR 200-2	US Army's regulation that executes NEPA. This document is currently under revision. For more information call (410) 436-3206 (DSN 584).	T/P	
DoD Directive 6050.7	Environmental Effects Abroad of Major Department of Defense Actions - Defines DOD program to execute EO 12114.	T/P	
DoD 5000.2R, Acquisition	Requires all weapons system programs, regardless of acquisition category and throughout their life cycle, shall comply with Environmental, Safety and Occupational Health (ESOH) requirements.	T/P	
Executive Order 12114	Environmental Effects Abroad of Major Federal Actions - detail requirements for Federal actions and activities that effect the environment in lands/waters not under U.S. jurisdiction.	T/P	
NEPA/BRAC Manual	NEPA technical guidance (How-to) manual on BRAC. For more information call (410) 436-3206 (DSN 584) or http://aec.army.mil/ click on NEPA web page.	T/P	
NEPA Off-Post Training & Deployments	NEPA technical guidance (How-to) manual on environmental impact analysis for off-post training and analysis. . For more information call (410) 436-3206 (DSN 584) or http://aec.army.mil/ click on NEPA web page.	T/P	
NEPA Library	A collection on NEPA related documents (examples, formats, models, etc.) assembled for the purpose of assisting US Army Staff, MACOMs, IMA Regions and Installations in understanding and using NEPA properly. For more information call (410) 436-3206 (DSN 584). This website provides information to assist with conducting	T/P	
NEPA Operations & Training	NEPA technical guidance (How-to) manual on environmental impact analysis of installation operations and training missions. For more information call (410) 436-3206 (DSN 584) or http://aec.army.mil/ click on NEPA web page.	T/P	
NEPA Website	Provides information and access to US Army's NEPA guidance, topics of interest, training events, etc. For more information visit http://www.aec.army.mil on the USAEC Website and click on NEPA or call (410) 436-3206 (DSN 584).	T	
Real Estate Manual For Federal Property	Army National Guard Real Estate Manual for Federal Property. This manual provides guidance for preparing NEPA related documentation. For more information call (410) 436-3206 (DSN 584) or http://aec.army.mil/ click on NEPA web page.	T/P	

Personnel Support

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
NEPA Base Operations	Installation Support with AR 200-2/32CFR 651 issues NEPA library support with EPR, ISR issues, document review, and NEPA technical support. For more information call (410) 436-3206 (DSN 584).	T/F/P	
NEPA Transformation Program	Program support for Army transformation program NEPA support, EPR, ISR, and document review. For more information contact Paul Martin at paul.martin@aec.apgea.army.mil or (410) 436-1624 (DSN 584).	T	

NEPA Acquisition Program	Program support with acquisition, research and development, EPR, life-cycle document review. For more information contact Louis Kanaras at mailto:louis.kanaras@aec.apgea.army.mil .		
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Training

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
Environmental Impact Assessment	This is advanced NEPA training on consideration of impacts on proposed actions. The target audience is NEPA review managers and staff, program managers who write or review NEPA related documents. For more information visit http://pdsc.usace.army.mil/ look for course 169 or visit http://aec.army.mil/usaec/ click on “NEPA training and awareness”.		X
NEPA Implementation #	This 5-day resident course teaches the basics of NEPA. The target audience is entry-level NEPA personnel, assigned proponents, collateral duty environmental personnel. For more information call (804) 765-4731(DSN 539-4731), visit http://www.almc.army.mil/EMD/page5.html or e-mail mailto:nepiac@lee.army.mil .		X
Preparing and Documenting Environmental Impact Analysis	This advanced NEPA training course is targeted for NEPA managers and staff, lawyers, program managers who write or review NEPA related documents. For more information on the Duke program visit http://aec.army.mil/usaec/ click on “NEPA training and awareness”, visit Duke University at sea3@duke.edu , or call (919) 613-8063.		X

Funding Assistance

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
Contract Support	The USAEC provides assistance to installations with contracting support to conduct environmental impact statements (EIS) and environmental assessments (EA). For more information call (410) 436-3206 (DSN 584).	T	

Technical Support

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
Environmental & Social Impact Analysis Tools	This computer-based tool is used to assist Army personnel with databases to assist in NEPA analysis. Currently this system is under development. For more information call (410) 436-3206 (DSN 584) or http://aec.army.mil/ click on NEPA web page.	T	
NEPA Technical Support	A contracted support program to assist US Army program installations with NEPA documents development and program support. For more information call (410) 436-3206 (DSN 584).	T/P	
Other Federal Agency Technical Support	All Liaisons are available to review and comment on NEPA documents. The USFS also will work with the installation to provide personnel to write NEPA documents on a reimbursable basis. Contact USAEC/USFS Liaison at (410) 436-3206 (DSN 584).	T/F	X

Reporting

Topic	Description	Free Service Telephonic or Field	Installation Funded Study
EQR/EPR/ISR/ECAS Assistance	Provide installations with review, assistance, and comments on the preparation of these documents. For more information call (410) 436-3206 (DSN 584).	T/F	

Acronyms

ACHP	Advisory Council on Historic Preservation
AR	Army Regulation
ARPTP	Archeological Resources Protection Training Program
AFPMB	Armed Forces Pest Management Board
AAP	Army Alternate Procedures
BA	Biological Assessment
BLM	Bureau of Land Management (Dept. of Interior)
BO	Biological Opinion
BRAC	Base Realignment and Closure
CA	Cooperative Agreement
CAP	Conservation Assistance Program
CECOS	Civil Engineer Corps Officers' School
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulation
CSREES	Cooperative State Research, Education, and Extension Service (Dept. of Agriculture)
DFAS	Defense Finance and Accounting System
DA	Department of the Army
DA PAM	Department of the Army Pamphlet
DENIX	Defense Environmental Network Information Exchange
DLA	Defense Logistics Agency
DoD	Department of Defense
DoDI	Department of Defense Instruction
ESA	Endangered Species Act
EA	Environmental Assessment
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
EPR	Environmental Program Requirement
EPAS	Environmental Program Assessment System (replaces ECAS)
EQR	Environmental Quality Report
ESOH	Environmental, Safety and Occupational Health
FIFRA	Federal Insecticide, Fungicide, Rodenticide Act
FLETC	Federal Law Enforcement Training Center
FHM	Forest Health Monitoring
GIS	Geographic Information System
HQDA	Headquarter, Department of the Army
IMA	Installation Management Activity
IPMC	Installation Pest Management Coordinator
IPMP	Installation Pest Management Plan
ICRMP	Integrated Cultural Resource Management Plan
INCRMP	Integrated Natural and Cultural Resource Management Plan
INRMP	Integrated Natural Resource Management Plan
IPMP	Installation Pest Management Plan
ISEERB	The Inter-Service Environmental Education Review Board

ISR	Installation Status Report
ITAM	Integrated Training Area Management
LID	Low Impact Development
MACOM	Major Army Command
MBTA	Migratory Bird Treaty Act
MOU	Memorandum of Understanding
MDNR	Maryland Department of Natural Resources
MWR	Morale, Welfare, and Recreation
NEETF	National Environmental Education & Training Foundation
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NAGPRA	Native American Graves Protection and Repatriation Act
NRCS	Natural Resources Conservation Service (Dept. of Agriculture)
NRDAR	Natural Resource Damage Assessment and Restoration
NWCG	National Wildfire Coordinating Group
ODEP	Office of the Director of Environmental Programs
OPA	Other Procurements Army
ORISE	Oak Ridge Institute for Science and Education
PAA	Program Assistance Announcement
PLANTS	Plant list of Accepted Nomenclature, Taxonomy, and Symbols
PLI	Private Lands Initiative
PLS	Planning Level Survey
PM	Pest Management
PMQAE	Pest Management Quality Assurance Evaluators
POC	Point of Contact
PFTC	Prescribed Fire Training Center
QA/QC	Quality Assurance/Quality Control
QA	Questions and Answers
RCW	Red-Cockaded Woodpecker
RPTS	Reimbursable Programs Tracking System
SHPO	State Historic Preservation Officer
SOP	Standing Operating Procedures
SCA	Student Conservation Association
TIC	Technical Information Center
T&E	Threatened and Endangered Species
TNC	The Nature Conservancy
USAEC	US Army Environmental Center
USACOE	US Army Corps of Engineers
USFS	US Forest Service (Dept. of Agriculture)
USFWS	US Fish and Wildlife Service (Dept. of Interior)
USGS	US Geological Survey (Dept. of Interior)
UXO	Unexploded Ordnance